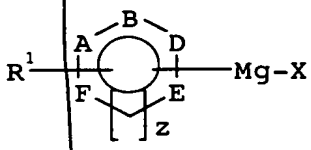
We claim:

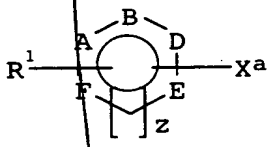
Sub B1

1. A process for preparing compounds of the general formula I



(I)

which comprises reacting compounds of the general formula II



(II)

with compounds of the formula R^4MgX (III) at temperatures below 0°C,

where the substituents and variables in the formulae I, II and III have the following meanings:

Z = 0, 1

X = halogen, R^2

X^a = Br, I

A, B, D and E
independently of one another CH, CR^2, N, P or CR^3

F = O, S, NR^6, CR^2 or CR^3 when z = 0, or CH, CR^2, N, P or CR^3 when z = 1,

it being possible for two adjacent variables A, B, D, E or F together to form another substituted or unsubstituted aromatic, saturated or partially saturated ring which has 5 to 8 atoms in the ring and which may contain one or more heteroatoms such as O, N, S, P, and not more than three of the variables A, B, D, E or F being a heteroatom,

R^1 = $COOR^2$, CN, $CONR^3R^{3'}$, halogen

R^2 = substituted or unsubstituted, branched or unbranched C_1-C_{10}-alkyl, C_3-C_{10}-cycloalkyl, C_1-C_4-alkylaryl, C_1-C_4-alkylhetaryl, R^5,

R^3 = hydrogen, substituted or unsubstituted, branched or unbranched -OC_1-C_{10}-alkyl, -OC_3-C_{10}-cycloalkyl, -OC_1-C_4-alkylaryl, -OC_1-C_4-alkylhetaryl, $R^{3'}$ or R^5,

$R^{3'}$ = hydrogen, substituted or unsubstituted, branched or unbranched C_1-C_{10}-alkyl, C_3-C_{10}-cycloalkyl, C_1-C_4-alkylaryl, C_1-C_4-alkylhetaryl, R^5,

R^4 = substituted or unsubstituted, branched or unbranched C_1-C_{10}-alkyl, C_3-C_{10}-cycloalkyl, C_1-C_4-alkylaryl, C_1-C_4-alkylhetaryl or halogen,

R^5 = a solid support,

R^6 = substituted or unsubstituted, branched or unbranched C_1-C_{10}-alkyl, C_3-C_{10}-cycloalkyl, C_1-C_4-alkylaryl, C_1-C_4-alkylhetaryl, substituted or unsubstituted, branched or unbranched -(C=O)-C_1-C_{10}-alkyl, -(C=O)-C_3-C_{10}-cycloalkyl, -(C=O)-C_1-C_4-alkylaryl, -(C=O)-C_1-C_4-alkylhetaryl or -SO_2-aryl.

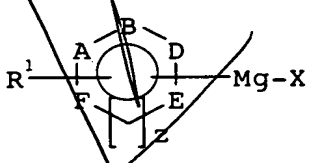
2. A process as claimed in claim 1, which is carried out in an inert aprotic solvent.

3. A process as claimed in claim 1 ~~or 2~~, which is carried out at temperatures below -15°C.

4. A process as claimed in ~~any of claims 1 to 3~~ claim 1, wherein the reaction to give compounds of the formula I as set forth in claim 1 is complete within 10 hours.

5. A process as claimed in ~~any of claims 1 to 4~~ claim 1, which is carried out on a solid support (= R^5).

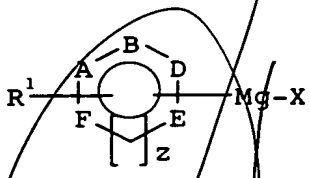
6. A compound of the formula I



(I)

in which R^1 is $COOR^2$, CN or $CONR^3R^{3'}$ and the other variables and substituents have the meanings stated in claim 1.

7. A compound of the formula Ia



(Ia)

in which variables and substituents have the meanings stated in claim 1, and at least one of the substituents R^2, R^3 or $R^{3'}$ is a polymeric protective group (= R^5).

8. The use of a process as claimed in ~~any of claims 1 to 5~~ for preparing substance libraries.